Edition 9.1

cab
we identify more

a+- and X-Series Label Printers

Made in Germany.

CONTENTS

Overview types of industrial printers A+ series . . . . . 4 - 5

For special demands . . . . . 6 - 7

For textile materials. . . . . 8 - 9

The special ones for two-color printing . . . . . 10 - 11

Technical data . . . . . 12 - 13

Accessories - overview 14

Accessories - special equipment, interfaces, connecting cables . 15

Accessories - cutting, perforating, stacking labels 16

Accessories - rewinding, unwinding labels 17

Accessories - dispensing labels . . . . . 18 - 19

Applicator A1000. 20

Accessories - Applicator A1000. 21

Applicator A3200. 22

Accessories - mounting equipment 23

Software tools 24

Printer drivers. 25

Label software 26

Programmer's guide. 26

Stand-alone operation 26

Easy maintenance, service, training 27

Delivery program for label printers 28

Delivery program for accessories . . . . . 29 - 30

cab delivery program 31

For current data
please refer to our website
www.cab.de/labelprinter

Scan the QR-Code
with your smartphone to get more
information about cab label printers

Printers for industrial demands

Our professional printers are used in a wide variety of applications. During development, we focused first and foremost on simple and convenient operation coupled with high reliability. The printing units and housings are made of high-quality materials and are perfectly matched in terms of their form and function. Extensive peripherals and software enable customized solutions – any time.

Regardless of whether the A+ printer is operated as a stand-alone solution, a PC application or in a network, it is always up to the mark! The high-speed processor ensures fast job processing and immediate label output.

Accurate and fast output of small and large labels

PCB label
Smallest label size measuring 4 x 4 mm, if there is only little space available.

Nameplates
Sharp fonts, graphics and barcodes with 600 dpi.

Shipping and pallet labels
Labels up to standard A4 format.

Overview types of industrial printers A+ series

The Sleek

For small labels with high printing accuracy.

1.1	Label printer	A2+	
	Print resolution dpi	300	600
	Print width up to mm	54,2	57
	Print speed up to mm/s	150	100

The Universal

Our top-seller with high printing accuracy and an extensive range of accessories.
A4.3+ preferably for thermal direct printing.

1.2	Label printer	A4+			A4.3+	
	Print resolution dpi	203	300	600	203	300
	Print width up to mm	104	105,6	105,6	104	108,4
	Print speed up to mm/s	250	250	100	200	150

The Wide

Ideal for Odette- and UCC labels.

1.3	Label printer	A6+	
	Print resolution dpi	203	300
	Print width up to mm	168	162,6
	Print speed up to mm/s	200	200

The Extra Wide

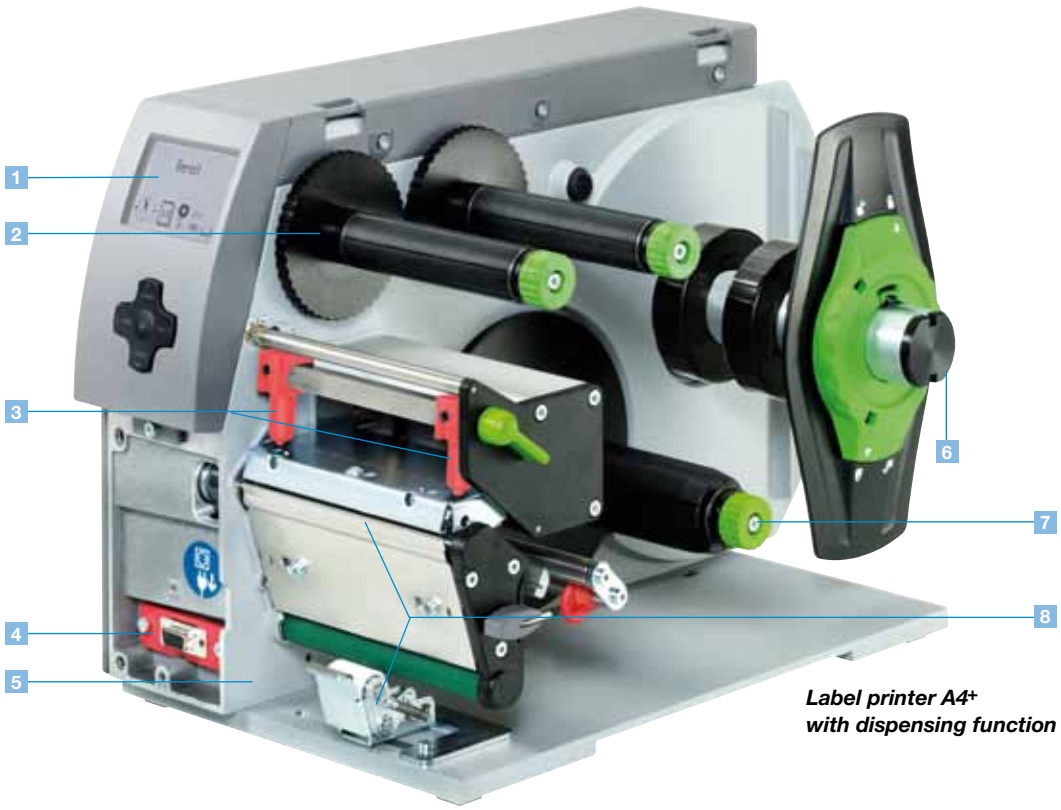
For pallet and drum labeling.

1.4	Label printer	A8+
	Print resolution dpi	300
	Print width up to mm	216
	Print speed up to mm/s	150

Basic version
For printing on labels and and continuous material. The material is torn off at the jagged tear-off edge. Optionally, it may be cut off or rewound externally.

Dispensing version
For printing and dispensing labels. The label is removed from the liner during the printing process by utilizing the internal rewinder. It can be removed manually, by applicator or robot.

Common details



Label printer A4+ with dispensing function

1 **White graphic display**
With backlight for optimum readability.

2 **Ribbon holder**
Three-part tightening axles enable quick and easy ribbon exchange.

3 **Straightforward adjustment**
The printhead is pressed down with two sliding toggles. One is mounted to the left label margin, the other is pushed to the right label margin.

4 **Peripheral connection**
Add-on modules such as cutters, external rewinders, present sensors and applicators are easy to connect via the USB peripheral interface. All peripherals are connected to the printer in seconds using two pins and fixed in place with a screw.

5 **Solid metal housing**
Made of die-cast aluminum. All components are mounted on it.

6 **Roll holder**
Available for core diameters from 38 mm. (We provide adapters for core diameters wider than 76 mm for improved label winding). The spring-mounted margin stop ensures constant tension during feeding, thus ensuring a highly precise imprint.

7 **Internal rewinder**
The three-part tightening axles ensure the easy rewinding and removing of labels or liners with or without paper core.

8 **Peel-off option**
The label is removed from its liner via a peel-off plate. A high printing and dispensing accuracy can be achieved with the additionally powered rewind assist roller and the pinch roller.

Compact cover

The 2-part cover made of impact-resistant ABS plastic folds up when opened.

1.11 **Metal cover**

On request, the A4+ and A6+ transfer printers are also available with a metal cover. (as standard for the A8+).

For special demands

With centered material guide

Preferred for small and thick endless materials like flattened tubes, tapes or very small labels.

- No adjustment of the printhead for different widths of material
- Printing on very small or very thick continuous materials
- Print speed for difficult to print materials is reducible
- Operation and control are compatible with the A+ series

1.5	Label printer	A4+M	
	Print resolution dpi	300	600
	Print width up to mm	105,6	105,6
	Print speed up to mm/s	125	100

For double-sided printing

For simultaneous front and back printing via two stacked printing units. Preferred for flattened tubes, continuous or prefabricated, and paper, synthetic or cardboard materials.

- No adjustment of the printhead for different widths of material
- Printing on very small or very thick continuous materials
- Print speed for difficult to print materials is reducible
- Operation and control are compatible with the A+ series

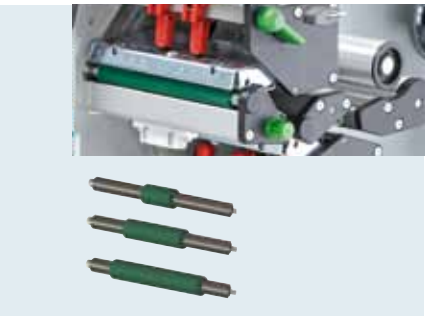
1.6	Label printer	XD4
	Print resolution dpi	300
	Print width up to mm	105,6
	Print speed up to mm/s	125

Accessories

Cutter
Used to cut paper, self-adhesive labels, cardboard, textile or synthetic materials and heat shrink tubes.

Perforation and cutter
Used to enable the perforation of the material for manual separation.

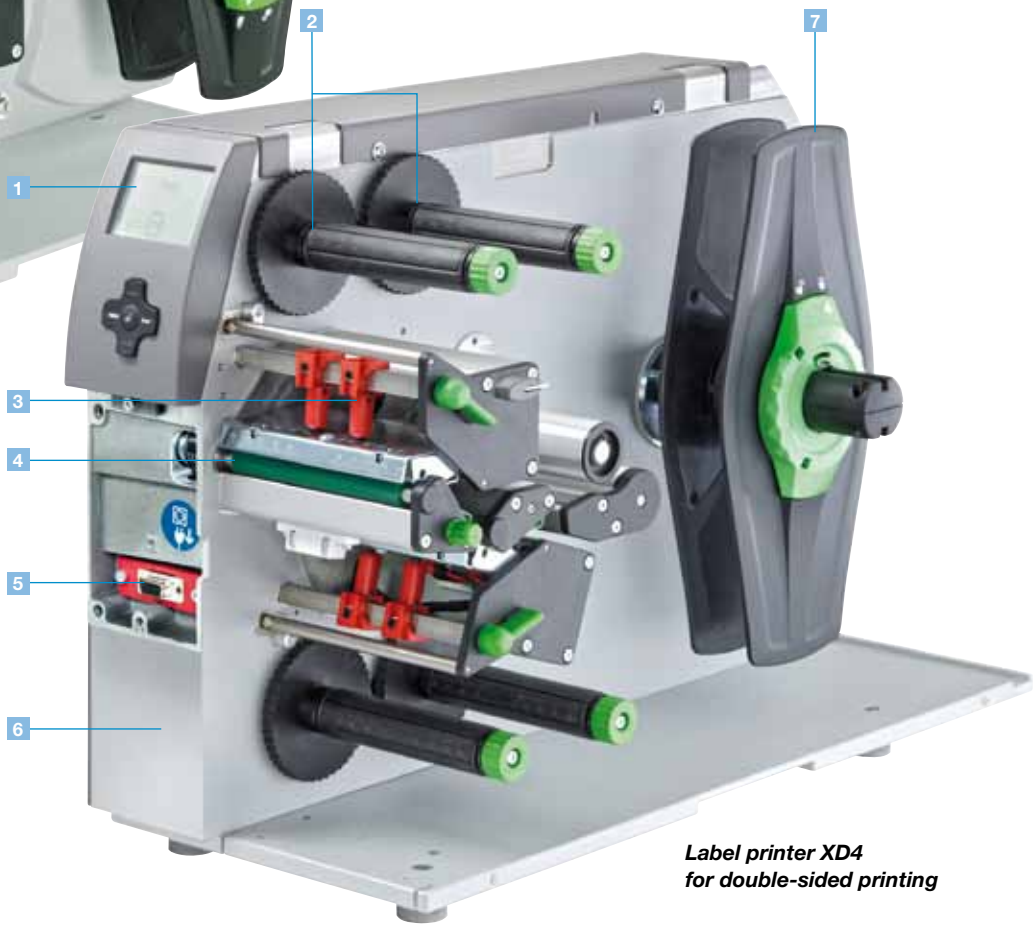
Stacker with cutter
The printed materials are cut and stacked. The print job is stopped as soon as the maximum stack height is reached. Even stiff or curved materials may be processed to some extent.
We recommend to do the material testings at our facilities.



Print rollers for small and thin materials
Outside the material width the printhead rubs against the print rollers.
The small print rollers are used to avoid feeding errors and wear on printhead and print roller due to rubbing. Three different standard widths are available from stock, non-standard widths are manufactured to order.

Common details

Label printer A4+M
with centered material guide



Label printer XD4
for double-sided printing

1 Big graphic display
White backlight for optimum readability.

2 Ribbon holder
Simple and centered insertion of the ribbon with the three-part tightening axles. The imprinted rule on spindle simplifies ribbon positioning.

3 No printhead adjustment
The printhead is pressed down with two sliding toggles. Due to the centre alignment of the materials there is no need to do adjustments and settings at the printhead.

4 Material guide
Precise printing as the material guide is located directly behind the print roller. The width is automatically adjusted and centered with a single knob.

5 Peripheral connection
Add-on modules such as cutter, perforation cutter and stacker are easy to connect.

6 Solid metal housing
Made of die-cast aluminum. All components are mounted on it.

7 Roll holder
Available for core diameters from 38 mm. (We provide adapters for core diameters wider than 76 mm for improved label winding). The material is automatically centered. The spring-mounted margin stop ensures constant tension during feeding, thus ensuring a highly precise imprint.

For textile materials

Single-sided printing

Particularly suitable for textile materials. The additionally installed drive roller after the printhead enables the textile material to be reliably separated from the transfer ribbon.

- No adjustment of the printhead for different widths of material
- Print speed for difficult to print materials is reducible
- Operation and control are compatible with the A+ series

1.7	Label printer	A4+T
	Print resolution dpi	300
	Print width up to mm	105,6
	Print speed up to mm/s	125

For double-sided printing

For simultaneous front and rear printing of textile materials. The additionally installed drive roller after the printhead enables the textile material to be reliably separated from the transfer ribbon.

- No adjustment of the printhead for different widths of material
- Print speed for difficult to print materials is reducible
- Operation and control are compatible with the A+ series

1.8	Label printer	XD4T
	Print resolution dpi	300
	Print width up to mm	105,6
	Print speed up to mm/s	125

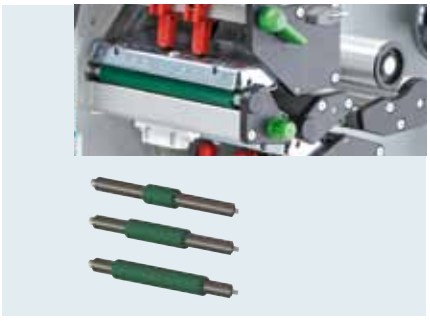
We are glad to assist you in the optimum selection of transfer ribbons for the label material.

Accessories

Cutter
Used to cut paper, self-adhesive labels, cardboard, textile or synthetic materials and heat shrink tubes.

Perforation and cutter
Used to enable the perforation of the material for manual separation.

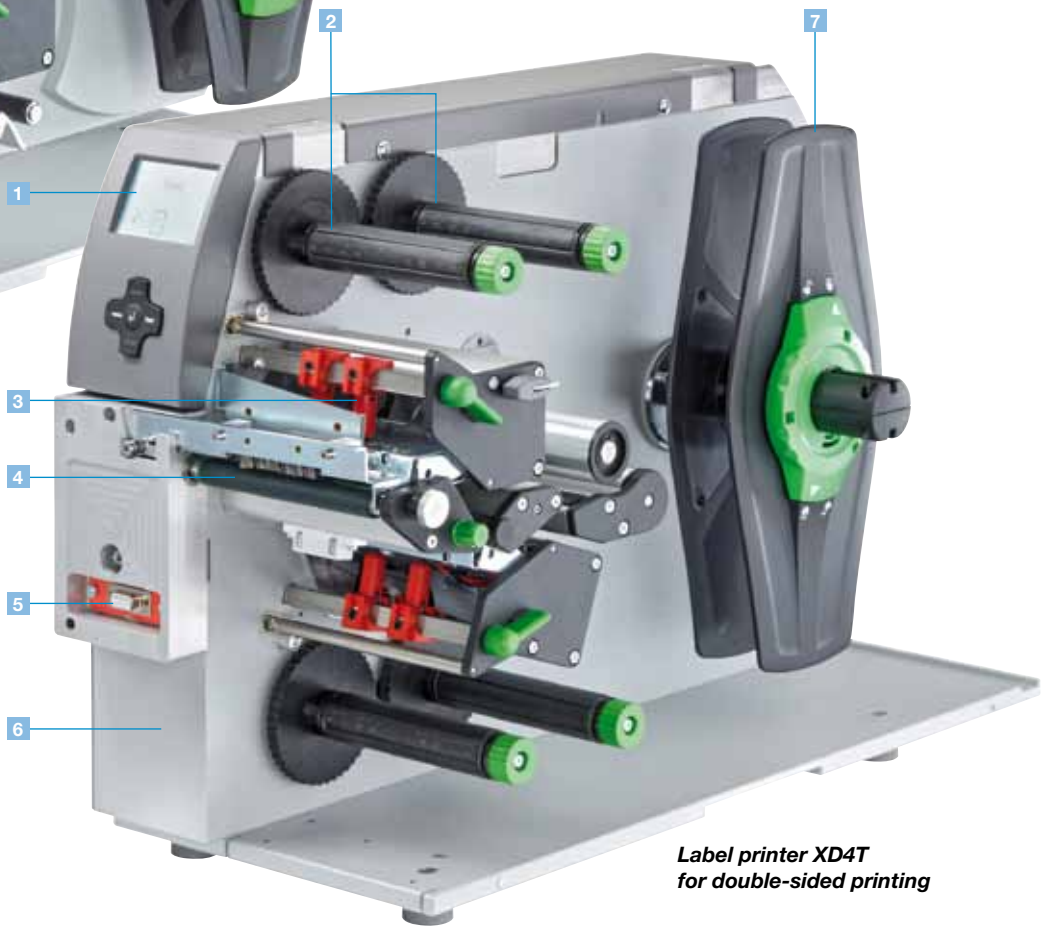
Stacker with cutter
The printed materials are cut and stacked. The print job is stopped as soon as the maximum stack height is reached. Even stiff or curved materials may be processed to some extent.
We are pleased to do the material testings at our facilities.



Print rollers for small and thin materials
Outside the material width the printhead rubs against the print rollers.
The small print rollers are used to avoid feeding errors and wear on print head and print roller due to rubbing. Three different standard widths are available from stock, non-standard widths are manufactured to order.

Common details

Label printer A4+T
with centered material guide



Label printer XD4T
for double-sided printing

1 Big graphic display
White backlight for optimum readability.

2 Ribbon holder
Simple and centered insertion of the ribbon with the three-part tightening axles. The imprinted rule on spindle simplifies ribbon positioning.

3 No printhead adjustment
The printhead is pressed down with two sliding toggles. Due to the centre alignment of the materials there is no need to do adjustments and settings at the printhead.

4 Separator roller
The additionally installed separator roller enables the textile material to be reliably separated from the transfer ribbon.

5 Peripheral connection
Add-on modules such as cutter, perforation cutter and stacker are easy to connect.

6 Solid metal housing
Made of die-cast aluminum. All components are mounted on it.

7 Roll holder
Available for core diameters from 38 mm. (We provide adapters for core diameters wider than 76 mm for improved label winding). The material is automatically centered. The spring-mounted margin stop ensures constant tension during feeding, thus ensuring a highly precise imprint.

The special ones for two-color printing

For two-color printing

- Two in-line arranged thermal transfer print units for simultaneous two-color printing in one label
- Ribbon saver at one print unit
- The XC-series meets the conditions for the Classification and Labeling Inventory according to GHS
- For large label rolls up to a diameter of 300 mm
- The two print units with ribbon holder, operation panel and electronics are adopted from the proven A+ series

1.9	**Label printer**	**XC4**
	Print resolution dpi	300
	Print width up to mm	105,6
	Print speed up to mm/s	125

1.10	**Label printer**	**XC6**
	Print resolution dpi	300
	Print width up to mm	162,6
	Print speed up to mm/s	125

We are glad to assist you in the optimum selection of transfer ribbons for the label material.

Accessories

Cutter
Used to cut paper, self-adhesive labels, cardboard, textile or synthetic materials and heat shrink tubes.

Perforation and cutter
(only for XC4). Used to enable the perforation of the material for manual separation.

Stacker with cutter
(only for XC4). The printed materials are cut and stacked. The print job is stopped as soon as the maximum stack height is reached. Even stiff or curved materials may be processed to some extent. We recommend to do the material testings at our facilities.

Common details

1 Big graphic display
White backlight for optimum readability.

2 Ribbon holder
Simple and centered insertion of the ribbon with the three-part tightening axles. The imprinted rule on spindle simplifies ribbon positioning.

3 Straightforward adjustment
The printhead is pressed down with sliding toggles. One is mounted to the left label margin, the other is pushed to the right label margin.

4 Peripheral connection
Add-on modules are easy to connect. All peripherals are connected to the printer in seconds using two pins and fixed in place with a screw.

5 Solid metal housing
Made of die-cast aluminum. All components are mounted on it.

6 Roll holder
For labels up to a diameter of 300 mm.
Swing lever and integrated brake make sure that the labels are unwound with constant tension.

7 Ribbon saver for printhead 1
The ribbon saver is used for labels to be partially printed. The printhead is lifted within the unprinted area and the ribbon stopped during label feeding.

8 Fanfold guide
Fanfolded labels are positioned behind the print unit. Guide and additional brake ensure a reliable feeding to the print unit.

Technical data

■ Standard ☐ Option

	1.1	1.2				1.3		1.4	1.5		1.6	1.7	1.8	1.9	1.10
Label printer	**A2+**	**A4+**				**A6+**		**A8+**	**A4+M**		**XD4**	**A4+T**	**XD4T**	**XC4**	**XC6**
Print head															
Print method Thermal transfer	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Thermal direct	■	–	■	■	–	■	■	■	■	–	–	–	–	–	–
Print resolution dpi	300	600	203	300	600	203	300	300	300	600	300	300	300	300	300
Print speed up to mm / s	150	100	250	250	100	200	200	150	125	100	125	125	125	125	125
Print width mm	54,2	57	104	105,6	105,6	168	162,6	216	105,6	105,6	105,6	105,6	105,6	105,6	162,6
Material															
Labels, continuous rolls or fanfolded	Paper, cardboard, textile, plastics such as PET, PE, PP, PI, PVC, PU, acrylate														
Material thickness mm / weight g / m²	0,05 - 0,8 / 60 - 300											0,05 - 0,2 / 60 - 180			
Width labels[1] mm	4 - 63	20 - 116				46 - 176		46-220	4 - 106		–	4 -106	–	20-116	46-176
continuous material / liner mm	25 - 67	24 - 120				50 - 180		50-235	10 - 110					–	
continuous shrink tube mm	10 - 67	25 - 85				–		–	4 - 85		4 - 85	–		–	
Height[1] without back-feed from mm	4	4	4	4	4	6	6	10	5	5	20	5	20	20	
when dispensing[1] from mm	12	12	12	12	12	25	25	–	–		–	–	–	–	
up to mm	5000	2000	5000	4000	1000	4000	3000	2000	4000	1000	2000	4000	2000	2000	1500
Media roll Outside diameter up to mm	205					205			205		300	205	300	300	
Core diameter mm	38 - 100													76	
Winding	Outside or inside														
Ribbon															
Ink	Outside or inside														
Roll diameter up to mm	80							72	80		72	80	72	72	
Core diameter mm	25							25	25		25	25	25	25	
Ribbon length variable up to m	500							360	500		360	500	360	360	
Width[2] up to mm	57	114				165		220	114		114	114	114	114	165
Internal rewinder (only for peel-off version)															
Outside diameter up to mm	142							–							
Core diameter mm	38,1							–							
Winding	Only outside							–							
Dimensions Printer															
Height mm	274										395	274	395	395	
Depth mm	446										554	446	554	554	
Width mm	190	242				302		352	242		248	242	248	248	358
Weight kg	8,5	9				13		15	9		21	9	21	22	24
Label sensor															
Gap sensor	For leading edge or punch marks and end of material														
Reflective sensor from the bottom / optional from the top	For print marks														
Distance to locating edge mm	5 - 26	5 - 53				5 - 53			–			–		5 - 53	
Distance from center to the left mm	–	–				–			0 - 53					–	
Electronics															
Processor 32 Bit clock rate MHz	266														
RAM MB	64														
Memory IFFS MB Flash	8														
Slot for CompactFlash Type I memory card	■														
Slot for Wireless LAN card	■														
Battery buffer for real-time clock, printout of time and date, data storage on shut-down	■														
Warning signal: acoustic signal in case of error	■														
Interfaces															
Centronics bi-directional acc. to IEEE 1284	☐											–			
RS232 C 1.200 up to 230.400 Baud / 8 Bit	■											–			
USB 2.0 High Speed Slave for PC connection	■											■			
Ethernet 10 / 100 Base T, LPD, RawIP-printing, ftp printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP	■											■			
RS422, RS485 1.200 up to 230.400 Baud / 8 Bit	☐											–			
Peripheral connection	■											■			
WLAN Card 802.11b/g WEP/WPA PSK (TKIP)	☐											☐			
2 x USB master for external operation panel, keyboard, scanner, service key, USB flash drive	■											■			
Operating data															
Power supply	100 - 240 V ~ 50 / 60 Hz, PFC														
Power consumption	100 - 300 W depending on type of printer														
Temperature / humidity Operation:	+ 5 - 40°C / 10 - 85% not condensing														
Stock:	+ 0 - 60°C / 20 - 85% not condensing														
Transport:	– 25 - 60°C / 20 - 85% not condensing														
Approvals	CE, FCC class A, CB, CCC, UL														

[1] Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested and approved.

[2] The ribbon should roughly be the same width as the label in order to avoid folding.

■ Standard ☐ Option ○ Authorized distribution by resellers

Operation panel	
Buttons/LED display	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor
LCD graphic display	Width 60, Height 40 mm, Text 4 lines, approx. 20 characters per line
Settings	
	Digital or analog clock System settings Print parameters 25 language settings Time Date Interfaces Security
On the Display	
	Data reception WLAN field intensity Ethernet status Used memory Temperature printhead Access to memory card Clock Date sheet abc Debug Input buffer Remaining ribbon
Monitoring	
Stop printing if	End of ribbon End of labels Printhead open Final position not reached
Test routines	
System diagnosis	When switched on, including printhead testing
Short status, status print	Font list, device list, WLAN Status, label profile, test grid, monitor mode, PPP status
Status reports	Status printout with information about settings, e.g. print length counter, runtime counter, etc. Request of status via software command. Status messages on the display, e.g. network error - no link, barcode error, etc.
Fonts	
Font types	5 Bitmap fonts, incl. OCR-A, OCR-B and 3 Vector Fonts Swiss 721, Swiss 721 Bold and Monospace 821 internally available, loadable TrueType fonts. Thai and Chinese (simplified Chinese) available as option.
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R. All West and East European Latin, Cyrillic, Greek, Hebrew and Arabic characters are supported. Thai and Chinese available as option.
Bitmap fonts	Size of width and height 1 – 3 mm Zoom 2 – 10 Orientation 0°, 90°, 180°, 270°
Vector- / TrueType fonts	Size of width and height 0,9 – 128 mm Variable zoom, Orientation 360° in steps of 1°
Font formats	Bold, Italic, underlined, outline, inverse, depending on character fonts
Font width	Variable

Graphics		
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes		
Linear barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN / UCC 128 EAN / UPC Appendix 2 EAN / UPC Appendix 5 FIM HIBC Interleaved 2 / 5 Ident- and lead code of Deutsche Post AG Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	
2D codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar	
	All codes are variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop code depending on type of code.	
Software		
Programming	J-Script direct programming abc-Basic Compiler Database Connector	■ ■ ☐
System diagnosis/ administration	Printer monitoring Network Manager	■ ☐
Label software	cablabel R2+ Codesoft, NiceLabel, Easylabel Bartender, Label Matrix, Labelview	■ ○☐ ○
Windows driver certified	32 / 64 bit für Windows XP Windows Vista Windows 7 Windows 8 Server 2003 Server 2008 Server 2008 R2 Server 2012	■
Mac- driver*	OS X printer driver from version 10.6	■
Linux driver*	32/64 Bit from CUPS 1.2	■
Stand-alone-operation		■

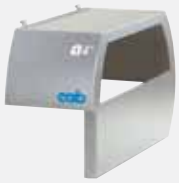
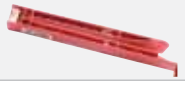
**only A+ series*

Accessories - overview

● Typical ○ Possible ■ Standard ☐ Option

	Extras	Basic device	Dis-pensing	1.1 A2+	1.2 A4+	1.3 A6+	1.4 A8+	1.5 A4+M	1.6 XD4	1.7 A4+T	1.8 XD4T	1.9 XC4	1.10 XC6
2.1	Metal cover	●	●	-	☐	☐	■	☐	■	-	■	■	■
2.2	Print roller DR4M-25, 50, 80	●	-	-	-	-	-	☐	☐	☐	☐	-	-
2.3	Reflective label sensor from the top	●	●	☐	☐	☐	☐	-	-	-	-	-	-
2.4	Adapter 100 mm Ø	●	●	☐	☐	☐	☐	☐	☐	☐	☐	-	-
2.5	Memory card	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.6	Standard keyboard USB	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.7	External operation panel	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2.8	Pause adapter PS7 - interrupt print job	●	○	☐	☐	☐	☐	☐	-	-	-	-	-
2.9	Tester CC for linear and 2D barcodes	●	●	☐	☐	☐	-	-	-	-	-	-	-
	Interfaces												
3.1	Centronics Interface	●	●	☐	☐	☐	☐	☐	-	☐	-	-	-
3.2	RS422 / RS485 Interface	●	●	☐	☐	☐	☐	☐	-	☐	-	-	-
3.3	Label selection – I/O box	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3.4	WLAN card 802.11 b/g	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Connecting cable												
4.1	Cable RS232 C, 9/9-pin, length 3 m	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4.2	Patch cable CAT 5e, length 3 m, gray	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Cutting, perforating, stacking labels												
5.1	Cutter CU	●	○	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5.2	Cutter tray	●	○	-	☐	-	-	☐	-	-	-	-	-
5.3	Perforation cutter PCU4	●	○	-	☐	-	-	☐	☐	☐	☐	○	-
5.4	Stacker with cutter ST4 / L	●	○	-	☐	-	-	-	-	-	-	☐	-
5.4	Stacker with cutter ST4 / M	●	-	-	-	-	-	☐	☐	☐	☐	-	-
5.5	Base frame A4+	●	-	-	☐	-	-	☐	-	☐	-	-	-
	Rewinding, unwinding labels												
6.1	Rewind guide plate for internal rewinding	-	●	☐	☐	-	-	-	-	-	-	-	-
6.2	External rewinder for direct printer connection	●	○	☐	☐	☐	☐	-	-	-	-	-	-
6.3	External rewinder with built-in power supply	●	○	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6.4	External rewinder for rolls up to 300 mm Ø	●	○	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Dispensing labels												
7.1	Peel-off adapter on request	-	●	☐	☐	☐	-	-	-	-	-	-	-
7.2	Extended peel-off plate	-	●	☐	☐	☐	-	-	-	-	-	-	-
7.3	Present sensor PS6 for manual operation or on request	-	●	☐	☐	☐	-	-	-	-	-	-	-
7.4	Present sensor PS8 for manual operation	-	●	☐	☐	☐	-	-	-	-	-	-	-
7.5	Present sensor PS9 variable	-	●	☐	☐	-	-	-	-	-	-	-	-
	For dispensing labels												
8.1	Manual switch TR1	-	●	☐	☐	☐	-	-	-	-	-	-	-
8.2	Foot switch	-	●	☐	☐	☐	-	-	-	-	-	-	-
8.3	Interface connector / 15-pin Sub-D plug	-	●	☐	☐	☐	-	-	-	-	-	-	-
8.4	Product sensor	-	●	☐	☐	☐	-	-	-	-	-	-	-
8.5	Testbox 2 / automatic operation	-	●	☐	☐	☐	-	-	-	-	-	-	-
	Applicators and Dispensing module												
9.1	Dispensing module A5100	-	●	-	☐	☐	-	-	-	-	-	-	-
9.2	All-round labeling	-	●	☐	☐	-	-	-	-	-	-	-	-
9.3	Applicator A1000	-	●	☐	☐	☐	-	-	-	-	-	-	-
9.4	Tamp pad A1021 W x H	-	●	☐	☐	☐	-	-	-	-	-	-	-
9.4	Universal tamp pad A1021 70 x 60	-	●	☐	☐	○	-	-	-	-	-	-	-
9.4	Universal tamp pad A1021 90 x 90	-	●	-	☐	○	-	-	-	-	-	-	-
9.5	Tamp pad A1321 W x H	-	●	-	☐	☐	-	-	-	-	-	-	-
9.5	Universal tamp pad A1321 116 x 102	-	●	-	☐	○	-	-	-	-	-	-	-
9.5	Universal tamp pad A1321 116 x 152	-	●	-	☐	○	-	-	-	-	-	-	-
9.6	Blow pad A2021 W x H	-	●	☐	☐	☐	-	-	-	-	-	-	-
9.7	Roll-on pad	-	●	-	☐	☐	-	-	-	-	-	-	-
9.8	Applicator A3200	-	●	☐	☐	-	-	-	-	-	-	-	-
9.9	Tamp pad A3221 W x H	-	●	☐	☐	-	-	-	-	-	-	-	-
9.10	Blow pad A3221 W x H	-	●	☐	☐	-	-	-	-	-	-	-	-
	For dispensing labels and applicators												
10.1	Mounting plate	-	●	☐	☐	-	-	-	-	-	-	-	-
10.2	Profile 40 / 80 / 120 mm	-	●	☐	☐	-	-	-	-	-	-	-	-
10.3	Base plate 500 x 255	-	●	☐	☐	-	-	-	-	-	-	-	-
10.4	Floor stand 1600	-	●	☐	☐	☐	-	-	-	-	-	-	-
10.5	Printer holder A2+ / A4+ / A6+	-	●	☐	☐	☐	-	-	-	-	-	-	-
	Software												
11.1	J-Script direct programming	●	●	■	■	■	■	■	■	■	■	■	■
11.2	Replace files and integration into SAP R/3	●	●	■	■	■	■	■	■	■	■	■	■
11.3	abc Basic Compiler	●	●	■	■	■	■	■	■	■	■	■	■
11.4	Database Connector	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
11.5	Printer monitoring with Intranet and Internet	●	●	■	■	■	■	■	■	■	■	■	■
11.6	Administration Network Manager	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
11.7	Windows printer driver	●	●	■	■	■	■	■	■	■	■	■	■
11.8	Apple-MAC/Linux printer driver	●	●	■	■	■	■	■	-	-	-	-	-
11.9	Label software cablabel R2+	●	●	■	■	■	■	■	■	■	■	■	■
	Additional label software	●	●	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
11.10	Programmer's guide	●	●	■	■	■	■	■	■	■	■	■	■

Accessories-special equipment, interfaces, connecting cables

Extras	Product
2.1 	**Metal cover** On request, the label printers A4+ and A6+ are available with metal cover. (supplied with A8+ as standard).
2.2	**Print roller DR4-M25** For small and thin materials up to a width of 25 mm.
	Print roller DR4-M50 For very thin materials from a width of 20 up to 50 mm.
	Print roller DR4-M80 For very thin materials up to a width of 80 mm.
2.3 	**Reflective label sensor** from top
2.4	**Adapter 100 mm Ø** To keep the bending to a minimum during stacking it is recommended to use a large core diameter.
2.5	**Memory Card** CompactFlash Type I
2.6	**Standard keyboard USB** Connection: USB, number of keys: 115
2.7	**External operation panel** If the operation panel is not accessible, e.g. after installation within a facility, an external panel can be installed. Additional slots are available for a CF memory card Type 1 and a host interface.
2.8	**Pause adapter PS7** For printing in a label loop. The print job is stopped by the pause signal. The label being printed is finished first. **I/O Interface:** **Inputs:** Pause, external error **Outputs:** no print job printer not ready, print job active
2.9	**Tester CC for linear and 2D barcodes** The camera tests readability or contents of the horizontally and vertically printed barcodes directly after printing. If the code is faulty the print job is stopped and the label is removed. The Tester CC can be used together with the tear-off mode, dispensing mode or with the external rewinder. Please refer to the Operation Manual for further details.
Interfaces	**Product**
3.1	**Centronics Interface** bi-directional acc. to IEEE 1284
3.2	**Interface RS422/RS485** 1.200 up to 230.400 Baud/8 Bit
3.3	**Label selection box – I/O box** From a higher-level control, like a PLC, up to 16 different labels can be selected from the memory card. The I/O box enables via abc programming to realize easy programming of the PLC with the 4 in- and outputs.
3.4	**WLAN card 802.11 b/g**
Connecting cable	
4.1	**Connecting cable RS232 C** 9/9 pin, length 3 m
4.2	**Patch cable CAT5e**, 3 m, gray

Accessories - cutting, perforating, stacking labels

5.1

5.2

Cutter CU

The cutter is used to cut paper, self-adhesive labels, cardboard, textiles or plastics and heat shrink tubes.

Cutter tray

Up to about 50 labels may be collected in the cutter tray.

Cutter	CU2	CU4		CU6	CU8
Used for printer model	A2+	A4+	A4+M, A4+T XD4, XD4T, XC4	A6+ XC6	A8+
Material width up to mm	67	120	110	180	232
Material weight cardboard gr/m²	60 - 500				
Material thickness mm	0,05 - 0,8				
Cutting length mm	> 5				
Gap height up to mm	2,5				
Cuts / min.	130	120		110	100
Stop print job, if	Final position of cutter not reached				
Cutter tray 4 for A4+ / A4+ M					
Label height up to mm	100				

5.3

Perforation cutter and cutter PCU4

The perforation cutter enables additionally perforating the material for manual separation later on.

Perforation cutter and cutter	PCU4
Used for printer model	A4+, A4+M, A4+T, XD4, XD4T, XC4
Material width up to mm	85
Material weight cardbaord gr/m²	60 - 300
Material thickness mm	0,05 - 0,8
Cutting length mm	> 5
Gap height up to mm	4,5
Cuts / min.	Cutting 120 / Perforating 150
Stop print job, if	Final position of cutter not reached
Perforating: Web width mm	0,5
Web distances mm	2,5 or 10

5.4

Stacker with cutter ST4

The printed materials are cut and stacked. The print job is stopped as soon as the maximum pile height is reached. Even stiff or curved materials may be processed to some extent.
We recommend to do the material testings at our facilities.

Stacker with cutter	ST4 / L	ST4 / M
Used for printer model	A4+, XC4	A4+M, A4+T, XD4, XD4T
Material width up to mm	20 - 110	20 - 100
Material weight cardboard gr/m²	60 - 300	
Material thickness mm	0,05 - 0,8	
Cutting length mm	20 - 150	
Gap height up to mm	1,2	
Cuts / min.	120	
Stop print job, if	Final position of cutter not reached, cover open, stack height reached	
Pile height up to mm	100	

Storage table label W x H

Storage table and protective cover are adapted to the label size and need to be ordered separately.

5.5

Base frame A4+

The base frame is used to place the devices on the table in any position.

Accessories - rewinding, unwinding labels

6.1

Rewind guide plate RG for internal rewinding

Internal rewinding is done by using the dispensing printer.
In this case, the peel-off plate is replaced by the rewind guide plate.

Rewind guide plate	RG2	RG4
Application	A2+ dispensing version	A4+ dispensing version
Material width up to mm	67	120

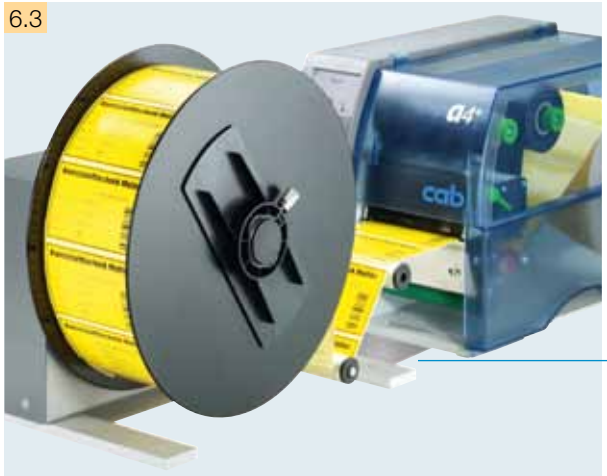
6.2

External rewinder ER1/2/3 for direct printer connection

The rewinder is directly screwed onto the printer. Labels are optionally wound either inside or outside. Electronic control of the swing arm ensures a smooth and tight winding.

External rewinder	ER1 / 210		ER2 / 210	ER3 / 210
Application	A2+	A4+	A6+	A8+
Material width up to mm	67	120	180	235
Roll Ø max. mm	205	205	205	205
Core Ø mm	40 / 76			
Label winding	outside or inside			

6.3



External rewinder ER4/6/8 with built-in power supply

The rewinder may be attached to any other printer.
All other technical data comply with rewinder ER1/2/3.

External rewinder	ER4 / 210		ER4 / 300		ER6/300	ER8/300
Application	A2+	A4+, A4+M A4+T, XC4 XD4, XD4T	A2+	A4+, A4+M A4+T, XC4 XD4, XD4T	A6+, XC6	A8+
Material width up to mm	67	120	67	120	180	235
Roll Ø max. mm	205	205	300	300	300	300
Core Ø mm	40 / 76					
Label winding	outside or inside					
Operating voltage	100 – 240 V~ 50 / 60 Hz					
Connecting set for	ER / EU					
Adapter for XC4 / XC6	RG4		RG4		RG6	–

6.4

External unwinder EU4/6/8

The unwinder ensures a smooth label feed for heavy rolls. Both inside and outside wound rolls may be used.

External unwinder	EU4 / 300		EU6 / 300	EU8 / 300
Application	A2+	A4+, A4+M, A4+T	A6+	A8+
Material width up to mm	67	120	180	235
Roll Ø max. mm	300	300	300	300
Core Ø mm	40 / 76			
Label winding	outside or inside			

Accessories - dispensing labels

1 Label printers (Type „P“) for dispensing labels additionally need to have a present adapter or a present sensor. Different types for either manual operation, or on demand with hand switch, foot switch or an external signal are available.

	Product
7.1	**Present adapter PS5 on demand** Printing and dispensing the label is triggered via external signal. The label is removed by an applicator or robot. **I/O Interface:** **Inputs:** Start, Label removed, External error — **Outputs:** No print job, Printer not ready, Print started, Label in dispensing position
7.2	**Extended peel-off plate** only in connection with present adapter PS5 or an applicator. For labels particularly difficult to remove from liner the peel-off plate with rewind guide plate, extended by 10 mm, is used.
7.3	**Present sensor PS6 for manual operation or on demand** **1. For manual operation** The present sensor detects the label being in dispensing position and interrupts the print job. As soon as the label has been manually removed the next one is printed immediately. **2. On demand** Dispensing on demand either via hand switch or foot switch, or via external signal according to PS5. **I/O Interface:** **Inputs:** Start, External error — **Outputs:** No print job, Printer not ready, Print started, Label in dispensing position
7.4	**Present sensor PS8 for manual operation** The present sensor detects the label being in dispensing position and interrupts the print job. As soon as the label has been manually removed the next one is printed immediately.
7.5	**Present sensor PS9 variable** For dispensing odd shaped labels where the leading edge of the label is not on the left edge where the PS8 can detect it, ex. round labels. The extension is customized.

Accessories - dispensing labels

for **Present adapter PS5**
Present sensor PS6
Pause adapter PS7

Dispensing module 5100A
Applicator A1000
Applicator A3200

		Product
8.1		**Hand switch TR1** Printing and dispensing on demand.
8.2		**Foot switch** Printing and dispensing on demand.
8.3		**Sub D plug** Sub D plug 15 pin with screw clamps for PS5, PS6, PS7 and Applicators. To connect external control signals.
8.4		**Product sensor** For automatic product detection on the conveyor belt.
8.5		**Testbox 2** Simulation of automatic operation.

9.1

Dispensing module with dispensing adapter PS5
To apply labels on packaging on a conveyor belt.
The product sensor triggers the printing process.
Labeling is started and at the same time the next label is printed.
Conveyor speed and print speed need to be synchronized.

	A5104	A5106
Application	A4+	A6+
Label width mm	25 - 116	50 - 176
Label height mm	25 - 200	
Product surface	flat	
Product height	fixed	
Product during labeling	in motion with synchronized speed to printer	

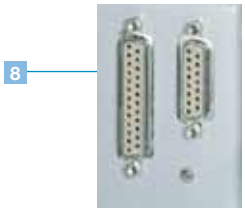
9.2

All-round print and apply system
Together with the A1000 applicator the all-round print and apply system enables to apply labels on cylindrical objects around the entire circumference of 360°. The product is put on the rolls and labeling is started via hand or foot switch.

All-round labeler	
Application	A2+, A4+ with applicator A1000-220
Product diameter mm	12 - 40
Product surface	cylindrical
Product during labeling	in rotary motion
Tamp pad	**A1021 / WxH**
Label width mm	25 - 116
Label height mm	25 - 140

Applicator A1000

9.3



Real-time application
Together with the A2+, A4+ and A6+ printers the A1000 applicator means a cost-effective solution for both semi-automatic operation and for integration into automated product lines.
For operation compressed air of 4,5 bar is needed.

1 **Long service life**
The ball-bearing guide bars are low-wearing.

2 **Variable product heights**
The lifting cylinder allows labeling at different heights.
Different stroke heights are available.

3 **Pre-dispensing button**
For testing the labeling. Pushing the button the first time causes the label to be printed and held by the pad. Pushing the button again starts the application.

4 **Compressed air regulation unit**
The microfilters prevent contamination, the compressed air regulator ensures the labeling quality.

5 **High process reliability**
The supporting air jet stream, induction air and lifting speed can be adjusted. The pressure can be reduced to less than 10N (1 kg) for highly sensitive products and packaging. To avoid contamination of the vacuum holes, these are cleaned with air pressure after each application.

6 **Label sizes**
Labels with a width of 25 – 176 mm and a height of 25 – 200 mm can be applied.

7 **Supporting air**
is used for blowing the label to the pad.

8 **Digital I/O Interface for applicator**
A PLC, sensor or hand switch starts the labeling. At the same time, status and error messages are issued.

Inputs	Outputs
Start	Printer not ready
Print first label	Printer without job
External error	Collective alarm
Stop (external error)	Home position reached
External reset only for 25 pin	Labeling position reached
	Labeling error

Applicator	A1000-220	A1000-300	A1000-400
Application	A2+, A4+, A6+	A2+, A4+, A6+	A2+, A4+, A6+
Cylinder stroke mm	220	300	400
Tamp stroke below device mm	70	150	250
Compressed air bar	4,5		

Accessories - Applicator A1000

9.4

Tamps
Labels are applied on the tamp and held by vacuum. The applicator then moves the tamp with label to the product.
Universal tamp pad
The rasterized vacuum holes are covered by a foil and are pierced according to the label size.
Tamp pads are manufactured according to the label size.

	Universal tamp pad			Tamp pad		
	A1021 / 70 x 60		**A1021 / 90 x 90**	**A1021 / W x H**		
Application	A2+	A4+	A4+	A2+	A4+	A6+
Label width mm	25 - 63	25 - 70	25 - 90	25 - 63	25 -116	50 -176
Label height mm	25 - 60		25 - 90	25 - 200		
Product surface	flat					
Product height	variable					
Product during labeling	not moving					

9.5

Tamp spring-mounted
The spring deflection allows labeling even on inclined surfaces.
Universal tamp pad
The rasterized vacuum holes are covered by a foil and are pierced according to the label size.
Tamp pads are manufactured according to the label size.

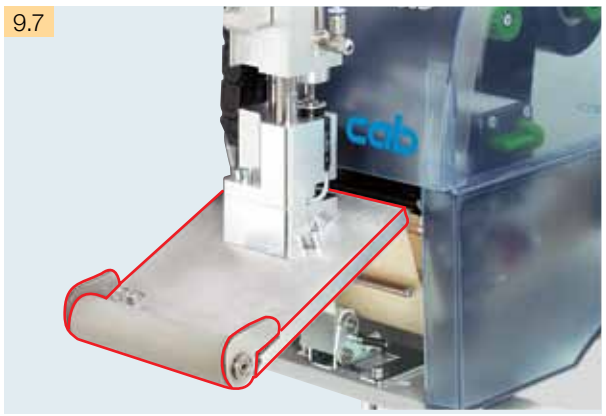
	Universal tamp pad		Tamp pad	
	A1321 / 116 x 102	**A1321 / 116 x 152**	**A1321 / W x H**	
Application	A4+	A4+	A4+	A6+
Label width mm	25 - 116	25 - 116	25 - 116	50 - 176
Label height mm	25 - 102	25 - 152	25 - 200	
Product surface	flat			
Product height	variable			
Product during labeling	not moving			

9.6

Blow pad
The label can be blown on in case of pressure-sensitive products. The blow pad moves to a fixed heigth. The product to be printed is positioned about 10 mm below.

Blow pad	**A2021**		
Application	A2+	A4+	A6+
Label width mm	25 - 63	25 - 116	50 - 176
Label height mm	25 - 100		
Product surface	flat		
Product height	fixed		
Product during labeling	not moving or moving		

9.7

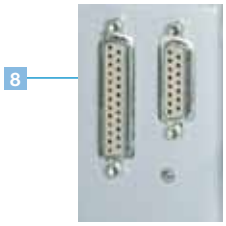


Roll-on pad
Using the roll-on pad the label is moved to below the roll. The pad moves onto the product and the label is rolled on during transport.

Roll-on pad	**A1411**	
Application	A4+	A6+
Label width mm	25 - 116	50 - 176
Label height mm	80 - 200	80 - 200
Product surface	flat	
Product height	variable	
Product during labeling	moving	

Applicator A3200

9.8



Applicator A3200 – Real time application
The A3200 applicator is used to automatically apply labels that are printed with the A2+ / A4+ printer.
A rotary cylinder allows positioning the label between 45° and 95° which is then placed on the product via short stroke cylinder.

1 **Long service life**
The ball-bearing guides are low-wearing.

2 **Variable angular position**
The rotary cylinder allows labeling on horizontal, inclined and vertical surfaces.

3 **Pre-dispensing button**
Pushing the button the first time causes the label to be printed and held by the pad. Pushing the button again starts the application.

4 **Compressed air regulation unit**
The microfilters prevent contamination, the compressed air regulator ensures the labeling quality.

5 **High process reliability**
The supporting air jet stream, induction air and lifting speed can be adjusted. The pressure can be reduced to less than 10N (1 kg) for highly sensitive products and packaging. To avoid contamination of the vacuum holes, these are cleaned with air pressure after each application.

6 **Label sizes**
Labels with a width of 25 – 70 mm and a height of 5,5 – 60 mm can be applied.

7 **Supporting air**
is used for blowing the label to the pad.

8 **Digital I/O Interface for applicator**
A PLC, sensor or hand switch starts the labeling. At the same time, status and error messages are issued.

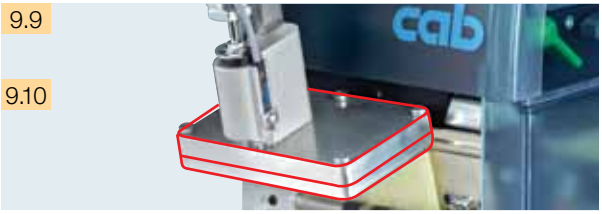
Inputs
Start
Print first label
External error
Stop (external error)
External reset only for 25 pin

Outputs
Printer not ready
Printer without job
Collective alarm
Home position reached
Labeling position reached
Labeling error

Applicator	A3200
Application	A2+ / A4+
Rotary cylinder°	45 - 95°
Lifting cylinder mm	up to 30
Compressed air bar	4,5

9.9

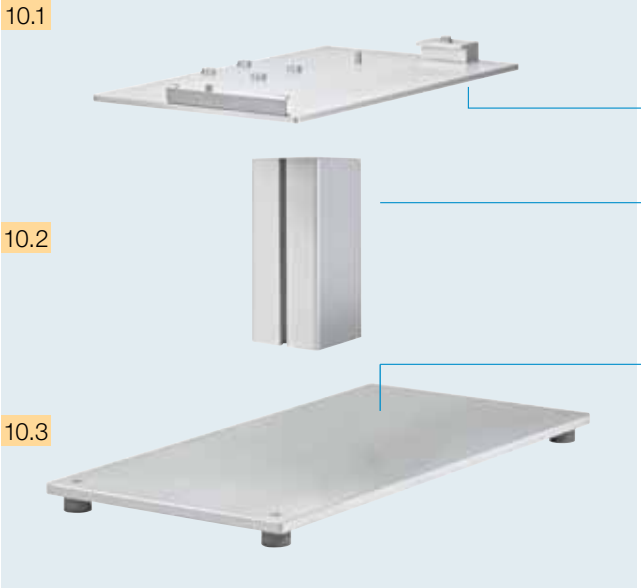
9.10



Tamp pads or other blow pads are manufactured according to the label size.

	Tamp pad A3221		Blow pad A3221	
Application	A2+	A4+	A2+	A4+
Label width mm	4 - 63	20 - 116	10 - 63	20 - 116
Label height mm	5 - 80		10 - 80	
Product surface	flat			
Product during labeling	not moving		in motion	

Accessories - mounting equipment



Mounting foot (for A2+, A4+)
For fastening the print and apply system and product holder.

1 **Mounting plate**
The print and apply system is fastened on the mounting plate.

2 **Profile**
Standard lengths are 40, 80, 120 mm.
The aluminum square profile can also be manufactured in other lengths upon request.

3 **Base plate**
For fastening the product holder
Standard size: 500 x 255 mm.

Floor stand
The floor stand enables the printer to be quickly and flexibly integrated into any manufacturing line. Height and width of the labeling position are easy to adjust. Four guide rollers at the chassis provide for mobility. The floor stand is adjusted with adjustable feet at the place of destination.

Floor stand	1600
Total height mm	1600
Labeling height up to mm	1400
Projection until middle of label mm	230 - 500
Chassis: Width x depth x height mm	600 x 860 x 140

Printer holder
The A2+, A4+ or A6+ label printers are fixed on the plate and quicklocked.

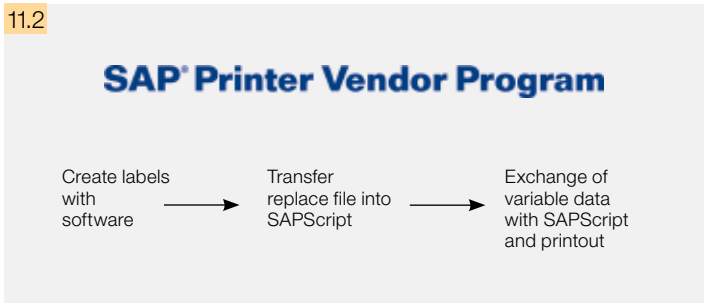
Software tools

11.1

J	**Job Start**
H 100	**Speed (100 mm / s)**
O R	**Orientation rotated by 180°**
S l1;0,0,68,70,100	**Size of label (100x68 mm, gap 2 mm)**
T 10, 10,0,5,pt20;sample	**Text object/font: Swiss bold, 20 pt**
B 10,20,0,EAN-13,SC2,401234512345	**Barcode EAN 13; size SC 2**
G 8,3.5,0;R:30,9,0.3;0.3	**Graphic, box 30 x 9 mm, Line weight 0,3 mm**
A 1	**Number of labels (in this example 1)**

Direct programming with J-Script
JScript is the programming language for cab printers.
The printer language is easy to understand and to program.
JScript is described in the programmer's guide and can be created with any text editor.

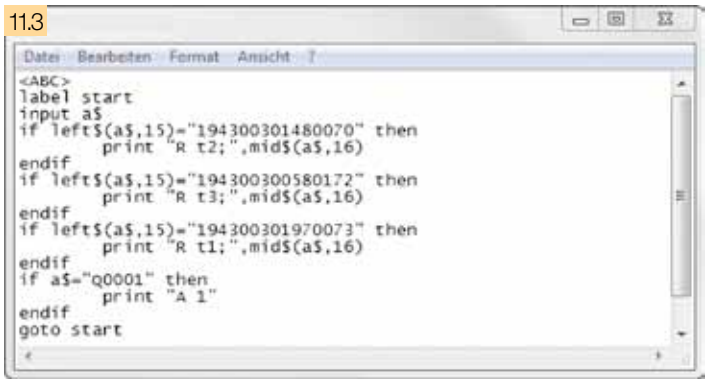
11.2


SAP® Printer Vendor Program
Create labels with software
Transfer replace file into SAPScript
Exchange of variable data with SAPScript and printout

Replace files and integration in SAP R/3*
In cooperation with SAP cab developed the so-called „replace method“ to control cab printers quickly and easily from SAPScript using SAP R/3. The host computer only sends the JScript variable, respectively changed data to the printer.
As a Silver Level partner in SAP's Printer Vendor Program, cab has access to the SAP development area for optimum printer support in SAP environments.

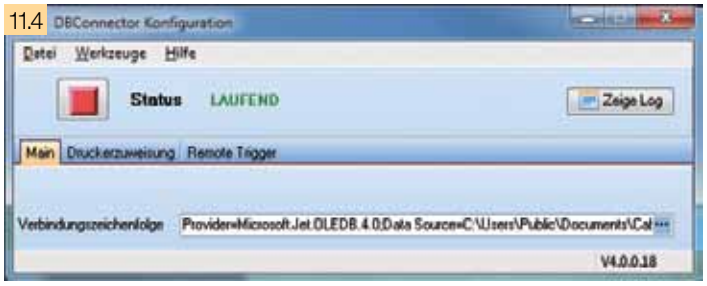
** SAP and R/3 are registered trademarks of SAP AG.*

11.3



abc – Basic Compiler
As an integrated element of the firmware, the Basic Compiler enables the printer to process data via BASIC programming before it is sent for print editing. This makes it possible for external printer languages to be replaced or data from other systems, e.g. a PLC or balance to be transferred and printed.
For example:
communication with balance

11.4

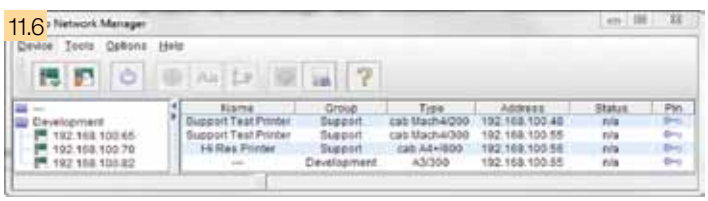


Database Connector
In the stand-alone mode with additional network connection, the Database Connector enables stand-alone printers to access data directly from a central ODBC-, OLEDB compatible database and to print it as a label. At the same time, data can also be written back to the database or changed during the printing process.

11.5

Printer monitoring with Intranet and Internet
Using standard programs such as the web browser or FTP clients, the integrated HTTP and FTP server enables print monitoring, configuration, firmware updates and memory card administration. Status, warning and error messages are sent to administrators or users as e-mails or SNMP datagrams via SNMP and SMTP clients. A time server is used to synchronize time and date.

11.6



Administration Network Manager
The cab Network Manager enables the user to control a number of printers across a network simultaneously. It supports monitoring, configuration, firmware updates, memory card administration, file synchronization and PIN administration centrally.

Printer drivers

11.7

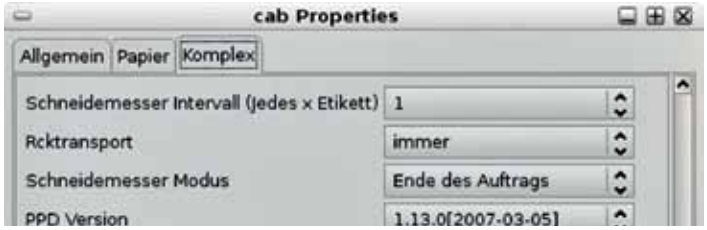
WHQL certified Windows printer driver for

Windows XP	Windows Server 2003
Windows Vista	Windows Server 2008
Windows 7	Windows Server 2008 R2
Windows 8	Windows Server 2012

Our printer drivers are officially certified and signed by Microsoft. They ensure optimum stability on your Windows operating system.

11.8

Apple-Mac OS X® driver*
Alternatively, cab offers a CUPS-based printer driver for programs using Mac OS X.



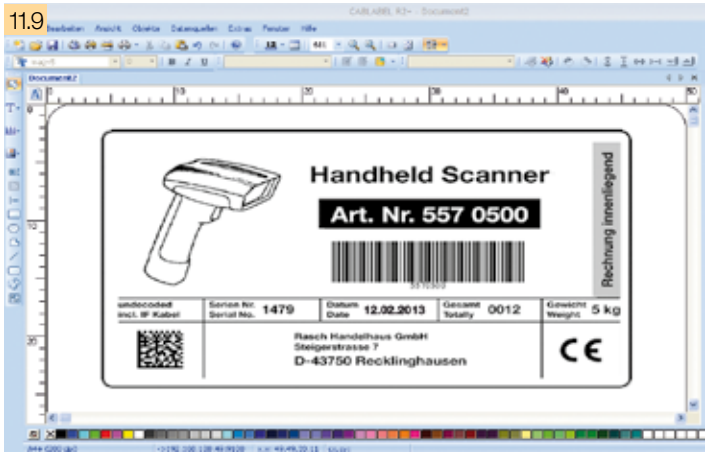
Linux driver*
Alternatively, cab offers a CUPS-based printer driver for programs using Linux.

** only A+ series*

Microsoft® is a registered trademark of Microsoft Corporation.
Mac OS® is a registered trademark of Apple Computer, Inc.

Label software

11.9



Powerful label software cablabel R2+ that is free of charge and specially designed for cab printers and print and apply systems.

Different fonts, barcode and graphics in variable heights, widths and printing directions can be used to produce the best possible label design.

In addition to the loadable TrueType fonts available, cab printers also offer a large number of internal bitmap- and vector fonts. Thanks to the support of the most commonly used codepages, country-specific special characters can also be printed.

High-performance functions enable to design and print even complex labels in just a few minutes. cablabel R2+ supports special functions of the cab printers, such as real-time clock, label counter, stand-alone operation (operation without connection to host or PC) or printout of the printer data stream in a file.

cablabel R2+ is available in 24 different languages for the following operating systems:

Windows XP
Windows Vista
Windows 7
Windows Server 2003*
Windows Server 2008*

** Terminalserver / Citrix are not supported*

Additional label software
Highest possible variability – other commercially available label software solutions, such as Codesoft, NiceLabel, Easylabel, Bartender, Label Matrix or Labelview support the cab label printers and labeling systems. More information available on our website.

11.10

Programmer's guide

A general programmer's guide explaining and describing commands for different printer models via direct programming.

Stand-alone operation

Printing without PC

Stand-alone operation is the ability of cab printers to print labels even if these are not connected to the host system.

The label layout is designed with a special label software or direct programming via PC.

Label formats, fonts, font-, text- and graphics data as well as data base contents are saved or read on the CF memory card, USB stick or internal data memory IFFS.

Only variable data to be printed is sent to the printer via keyboard or host. Additionally, data sent by a barcode scanner or balance can be processed.

Easy maintenance

Label sensor
If cleaning might come up the label sensor is unlocked and pulled out with slight finger pressure.

Printhead
The printhead may be exchanged in just a few steps.
And no need of doing adjustments and settings.

Print roller
Three screws allow an easy and fast removing of the print roller for cleaning or replacement.

No need for a service technician to perform routine maintenance.

One single tool
For replacing wear parts or mounting peripherals the tool is directly inserted in the printer and at the ready.

Service

Our well-trained service engineers give world-wide support in maintenance and repair of cab printers. Please send your printer to one of cab's service centres or to one of the service partners selected by us. We will check and repair your printer within only a few working days. If requested, we will make a temporary equivalent device available for the time of repair.

Training

We offer training in programming, different software tools, printer drivers and label layout design. We can enhance your knowledge on cab printers to make more effective use of our printers.
We also offer seminars for maintenance and repair.

Delivery program for label printers

		Art.-No.	Hardware	dpi	Art.-No.	Spare parts	Art.-No.	Spare parts
1.1		**5954511** **5954512**	Label printer A2⁺ / Label printer A2⁺ /	300 300P	**5954105.001**	Print head 2 / 300	**5954102.001** **5954104.001**	Print roller DR2 Rew. Ass. roller RR2
		5954575 **5954578**	Label printer A2⁺ / Label printer A2⁺ /	600 600P	**5958686.001**	Print head 2 / 600		
1.2		**5954500** **5954505**	Label printer A4⁺ / Label printer A4⁺ /	200 200P	**5954081.001**	Print head 4 / 203	**5954180.001** **5954183.001**	Print roller DR4 Rew. Ass. roller RR4
		5954501 **5954506**	Label printer A4⁺ / Label printer A4⁺ /	300 300P	**5954072.001**	Print head 4 / 300		
		5954502 **5954507**	Label printer A4⁺ / Label printer A4⁺ /	600 600P	**5954077.001**	Print head 4 / 600		
1.2		**5954524** **5954526**	Label printer A4.3⁺ / Label printer A4.3⁺ /	200 200P	**5954085.001**	Print head 4.3 / 203		
		5954525 **5954527**	Label printer A4.3⁺ / Label printer A4.3⁺ /	300 300P	**5954089.001**	Print head 4.3 / 300		
1.3		**5954587** **5954588**	Label printer A6⁺ / Label printer A6⁺ /	200 200P	**5954217.001**	Print head 6 / 203	**5954245.001** **5954246.001**	Print roller DR6 Rew. Ass. roller RR6
		5954513 **5954514**	Label printer A6⁺ / Label printer A6⁺ /	300 300P	**5954106.001**	Print head 6 / 300		
1.4		**5954517.101**	Label printer A8⁺ / with metal cover	300	**5954107.001**	Print head 8 / 300	**5954103.001**	Print roller DR8
1.5		**5954552** **5954554**	Label printer A4⁺M / Label printer A4⁺M /	300 600	**5954072.001** **5954077.001**	Print head 4 / 300 Print head 4 / 600	**5954180.001** **5954183.001**	Print roller DR4 Rew. Ass. roller RR4
1.6		**5959640**	Label printer XD4 /	300	**5954072.001**	Print head 4 / 300	**5954180.001**	Print roller DR4
1.7		**5954568**	Label printer A4⁺T /	300	**5954072.001**	Print head 4 / 300	**5954180.001**	Print roller DR4
1.8		**5959970**	Label printer XD4T /	300	**5954072.001**	Print head 4 / 300	**5954180.001**	Print roller DR4
1.9		**5965700**	Label printer XC4 /	300	**5954072.001**	Print head 4 / 300	**5954180.001**	Print roller DR4
1.10		**5965701**	Label printer XC6 /	300	**5954106.001**	Print head 6 / 300	**5954245.001**	Print roller DR6

		Art.-No.	Special printers
1.11		**59545xx.101**	Printer with metal cover for A4⁺ / A4⁺M / A4⁺T / or A6⁺
1.12		**595xxxx**	Label printer for thermal direct printing on request
		595xxxx RFID	Printer with RFID read-write unit 13,56 MHz

Scope of delivery:
Label marker,
Power cable Type E+F, Length 1,8 m
Connecting cable USB, Length 1,8 m
Operation manual Ge/En

DVD:
Operation manual in 21 different languages (only A⁺ series),
Operation manual Ge/En/Fr, XD4 / XD4T
Configuration manual Ge/En/Fr,
Service manual Ge/En,
Spare parts list Ge/En,
Programmer's guide En,
Windows printer driver 32 / 64 bit in 19 different languages for
Windows XP Server 2003
Windows Vista Server 2008
Windows 7 Server 2008 R2
Windows 8 Server 2012
Mac OS X driver Ge/En/Fr (only A⁺ series),
Linux driver Ge/En/Fr (only A⁺ series),
Label software cablabel R2⁺ in 24 different languages

For current data please surf to www.cab.de

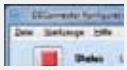
Delivery program for accessories

		Art.-No.	Special equipment
2.1		**5954012.001** **5954013.001**	Metal cover A4+ Metal cover A6+
2.2		**5953700.001**	Print roller DR4-M25
		5953701.001	Print roller DR4-M50
		5953702.001	Print roller DR4-M80
2.3		**5958631**	Reflective label sensor from top
2.4		**5959622.001**	Adapter 100
2.5		**5561043**	Memory card CompactFlash Type I
2.6		**5901626**	Standard keyboard USB German version
2.7		**5954380**	External operation panel
2.8		**5946146**	Pause adapter PS7
2.9		**5571005** **5571000**	Barcode tester CC2 Barcode tester CC4
		Art.-No.	**Interfaces**
3.1		**5954200**	Centronics Interface
3.2		**5954201**	RS422 / RS485 Interface
3.3		**5954191**	Label selection box – I / O box
3.4		**5561041**	WLAN Card 802.11 b / g
		Art.-No.	**Connecting cables**
4.1.		**5550818**	Connecting cable RS232 C 9 / 9 pin, length 3 m
4.2		**5918008**	Patch cable KAT 5e, 3 m gray
		Art.-No.	**Cutting, perforating, stacking**
5.1		**5948382** **5948000** **5948001** **5948002**	Cutter CU2 Cutter CU4 Cutter CU6 Cutter CU8
5.2		**5946995**	Cutter tray 4
5.3		**5960050.351** **5960050.352**	Perforation cutter PCU4 / 2,5 Perforation cutter PCU4 / 10
5.4		**5541311** **5541313**	Stacker with cutter ST4 / L Stacker with cutter ST4 / M
5.4		**55xxxxx** **55xxxxx**	Storage table ST4 / L, label WxH Storage table ST4 / M, Label BxH
5.5		**5958932**	Base frame A4+

		Art.-No.	Rewinding, unwinding labels
6.1		**5954108.001** **5954190.001**	Rewind guide plate RG2 for internal rewinding Rewind guide plate RG4 for internal rewinding
6.2		**5948102** **5943251** **5945802**	External rewinder ER1 / 210 External rewinder ER2 / 210 External rewinder ER3 / 210
6.3		**5948100** **5946090** **5946420** **5945804** **5966077.001** **5966078.001**	External rewinder ER4 / 210 External rewinder ER4 / 300 External rewinder ER6 / 300 External rewinder ER8 / 300 Rewind guide plate RG4 XC4 Rewind guide plate RG6 XC6
6.4		**5946091** **5946421** **5945806**	External unwinder EU4 / 300 External unwinder EU6 / 300 External unwinder EU8 / 300
		5948170	Connection set for ER / EU
		Art.-No.	**Dispensing labels**
7.1		**5946120**	Peel-off adapter PS5 on demand
7.2		**5958772** **5948830** **595xxxx**	Extended peel-off plate A2+ Extended peel-off plate A4+ Extended peel-off plate A6+
7.3		**5942353**	Present sensor PS6 Manual / automatic operation
7.4		**5946900**	Present sensor PS8 Manual operation
7.5		**5948595**	Present sensor PS9
		Art.-No.	**Accessories for dispensing labels**
8.1		**5942345**	Hand switch TR1
8.2		**5535901**	Foot switch
8.3		**5917652**	Interface connector SUB-D plug 15 pin Phoenix Contact 2761606
8.4		**5941526**	Product sensor to start
8.5		**5533240**	Testbox 2 Automatic operation

Delivery program for accessories

		Art.-No.	Applicators and dispensing module
9.1		**5949281** **5949265**	Dispensing module A5104 Dispensing module A5106
9.2		**5941345**	All-round print and apply system
9.3		**5949001** **5949002** **5949003**	Applicator A1000-220 Applicator A1000-300 Applicator A1000-400
9.4		**5xxxxxx**	Tamp pad A1021 W x H
		5949072	Universal tamp pad A1021 70 x 60
		5949075	Universal tamp pad A1021 90 x 90
9.5		**5xxxxxx**	Tamp pad A1321 W x H
		5949076	Universal tamp pad A1321 116 x 102
		5949077	Universal tamp pad A1321 116 x 152
9.6		**5xxxxxx**	Blow pad A2021 W x H
9.7		**5xxxxxx**	Roll-on pad A1411 W x H
9.8		**5976050**	Applicator A3200
9.9		**5xxxxxx**	Tamp pad A3221 W x H
9.10		**5xxxxxx**	Blow pad A3221 W x H

		Art.-No.	Accessories dispensing/applicators
10.1		**5969811** **5958367**	Mounting plate A2+ Mounting plate A4+
10.2		**5958365** **5965929** **5971136**	Profile 40 Profile 80 Profile 120
	on request	**5xxxxxx**	Profile L
10.3		**5961203**	Base plate 500 x 255
10.4		**5947400**	Floor stand 1600
10.5		**8914422** **8913693** **8914423**	Printer holder A2+ Printer holder A4+ Printer holder A6+
		Art.-No.	**Software**
11.4		**DL 40100**	Database Connector Licence
11.6		**5580215**	Administration Network Manager
11.9		on request	Label software Codesoft, Nice Label, Easylabel
11.10		**9008486**	Programmer's guide, English printed copy

cab delivery program

Label printer EOS1
The compact for
label rolls up to 155 mm Ø

Label printer EOS4
The cost-effective for
label rolls up to 210 mm Ø

Label printer MACH4
The versatile
for a smooth workflow

Label printer A+ series
The universal

Label printer A+ M
with centered material guide

Label printer XD4
double-sided printing

Textile printer A4+T
For textile material

Label printer XD4T
double-sided printing of
textile material

Label printer XC4
two-color printing

Label printer XC6
two-color printing

Label dispenser HS
Precise and easy dispensing in
horizontal direction
up to a width of 180 mm

Label dispenser VS
precise and easy dispensing in
vertical direction
up to a width of 180 mm

Print & apply system Hermes+
for automation

Print module PX series
for integration into automatic
labeling systems

Labels / Transfer ribbons
precise printing with cab's
labels and transfer ribbons

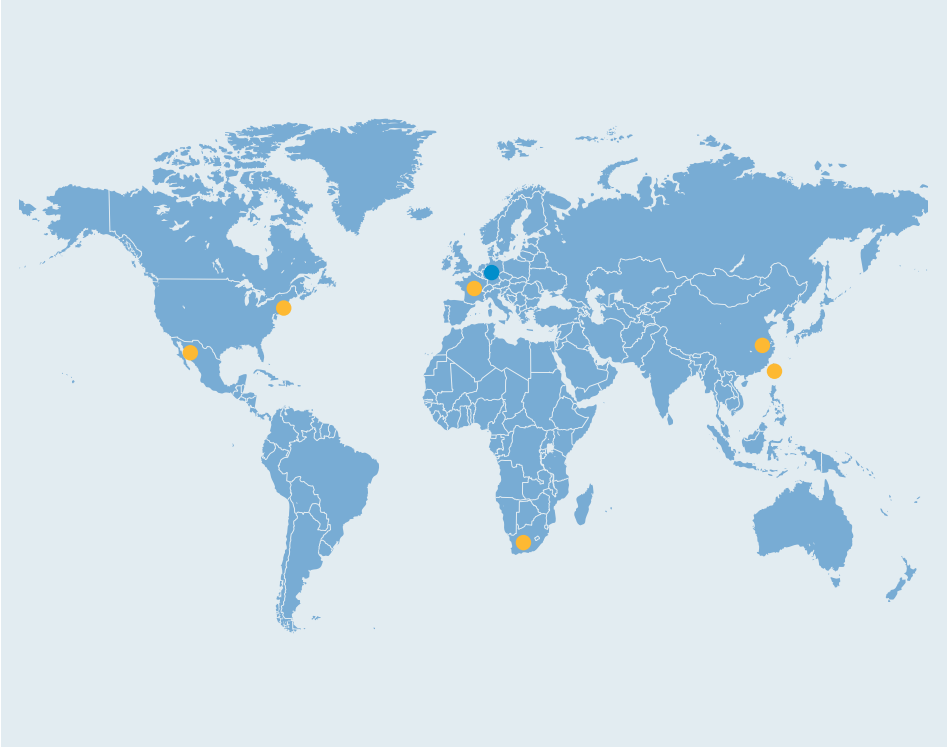
Label software
standard and optional software

Laser marking system FL series
Precise and fast

Laser safety housing
The industrial solution

- Headquarters in Germany
- cab offices
  520 partners
  in over 80 countries

cab maintains a presence in the world's major economic areas.



For current data, please refer to www.cab.de

Germany
cab Produkttechnik
GmbH & Co KG
Postfach 1904
76007 Karlsruhe
Wilhelm-Schickard-Str. 14
76131 Karlsruhe
Telefon +49 721 6626-0
Telefax +49 721 6626-249
www.cab.de
info@cab.de

Further partners
on request

France
cab technologies s.a.r.l.
67350 Niedermodern
Téléphone +33 388 722 501
www.cab.de/fr
info.fr@cab.de

USA
cab Technology Inc.
Tyngsboro MA, 01879
Phone +1 978 649 0293
www.cab.de/us
info.us@cab.de

South Africa
cab Technology (Pty.) Ltd.
2125 Randburg
Phone +27 11-886-3580
www.cab.de/za
info.za@cab.de

Asia 亚洲
cab Technology Co, Ltd.
希爱比科技股份有限公司
Junghe, Taipei, Taiwan
Phone +886 2 8227 3966
www.cab.de/tw
info.asia@cab.de

China 中国
cab (Shanghai) Trading Co., Ltd
铠博(上海)贸易有限公司
Phone +86 21 6236-3161
www.cab.de/cn
info.cn@cab.de

This documentation and any translations hereof are the property of cab GmbH & Co KG.
The replication, processing, reproduction or distribution in whole or in parts requires our prior written consent. © Copyright by cab/9008476.

All delivery, design and technical specifications are compiled to the best of our current knowledge and are subject to change without prior notice.